Name

Class

Date

Triangle Congruence by SSS and SAS

4-2

**Practice**

*Form G*

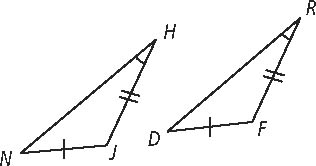
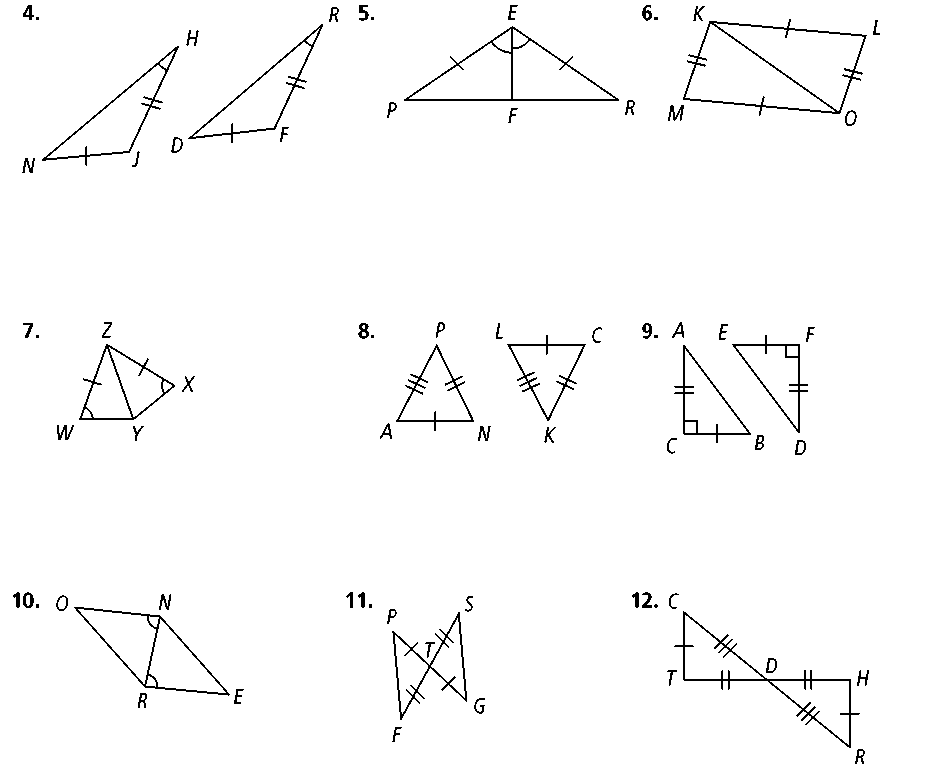
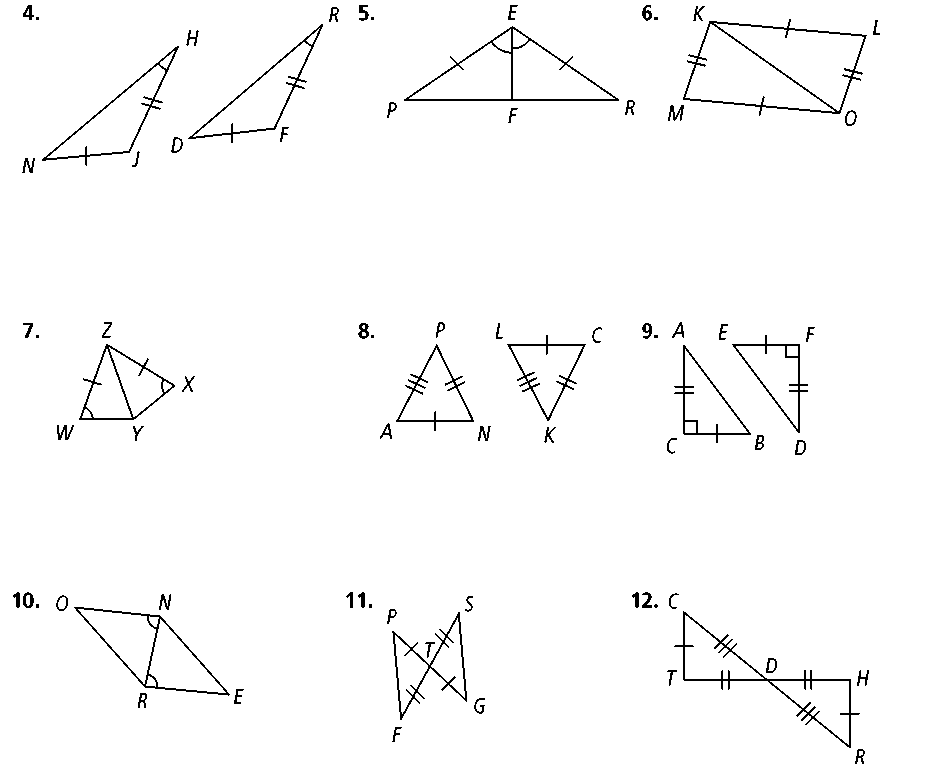
**Draw** Δ***MGT* in the space to the right*.* Use the triangle to answer the questions below.**

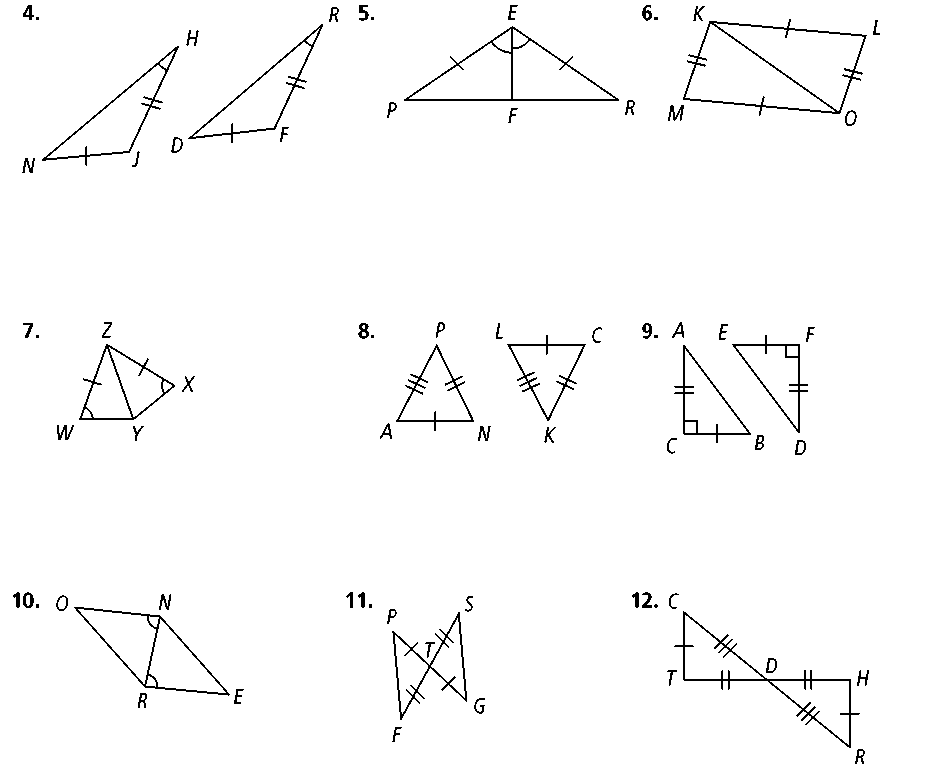
1. What angle is included between and *?*

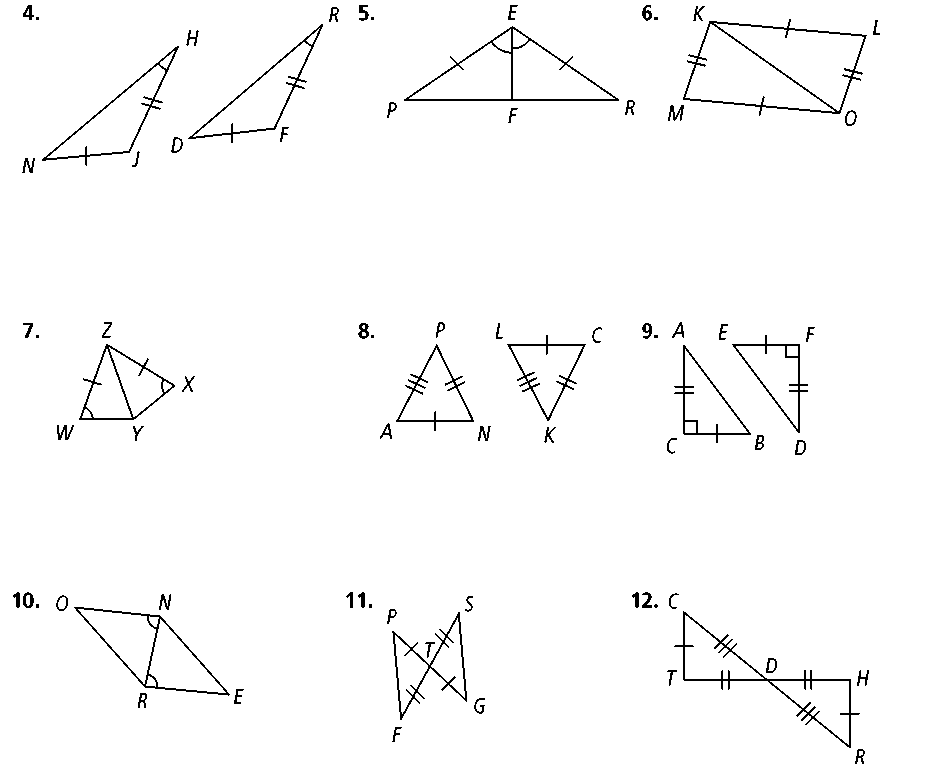
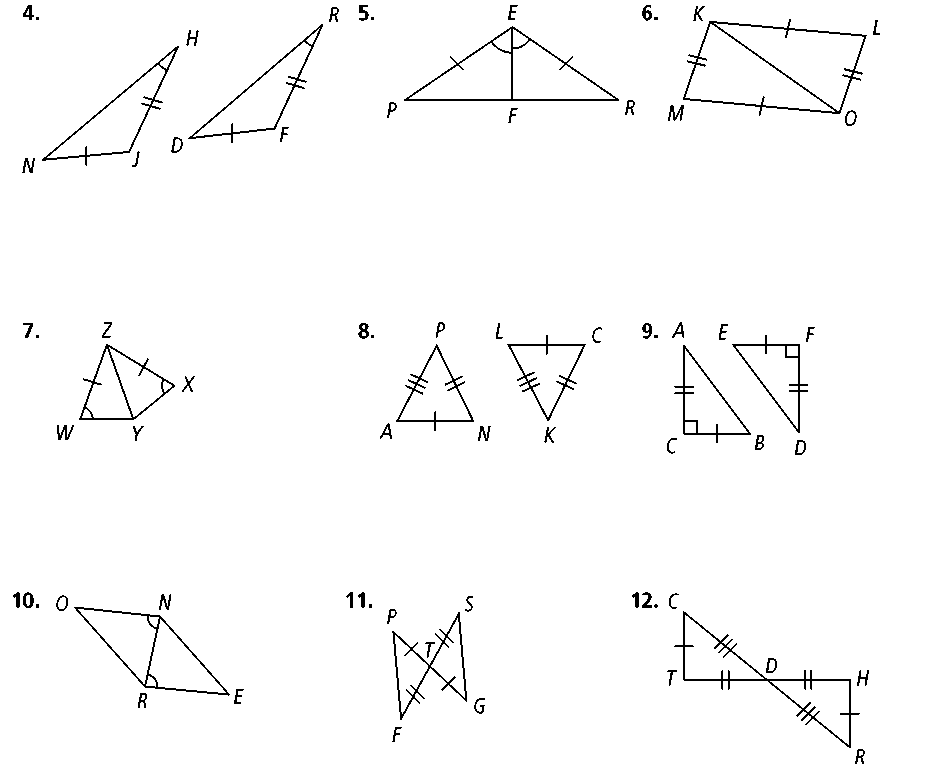
2. Which sides include *?*

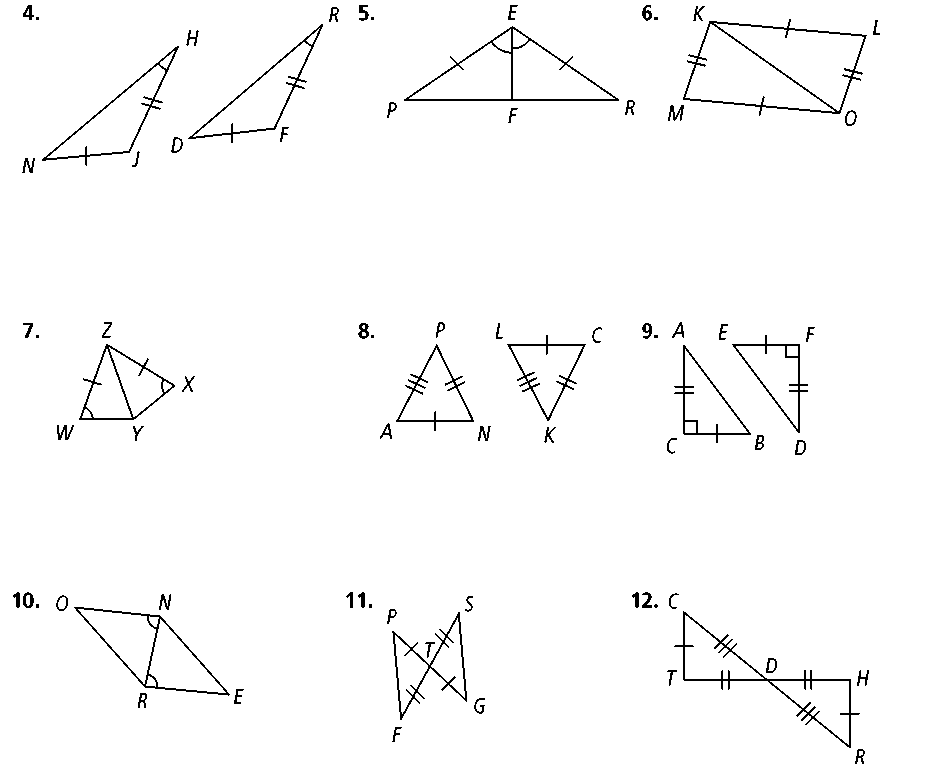
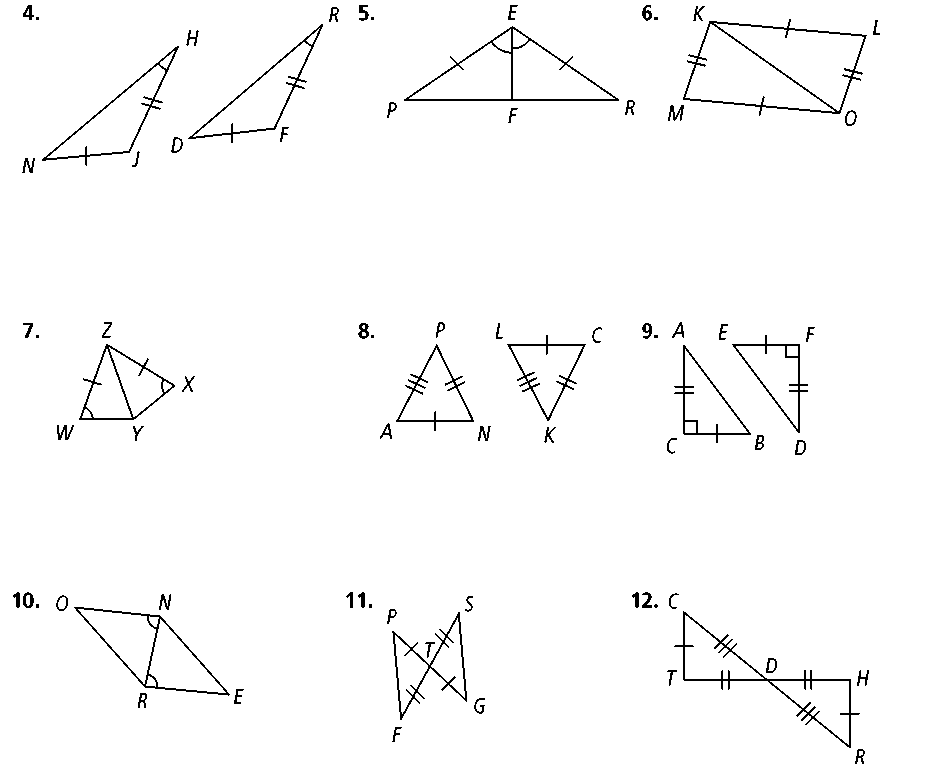
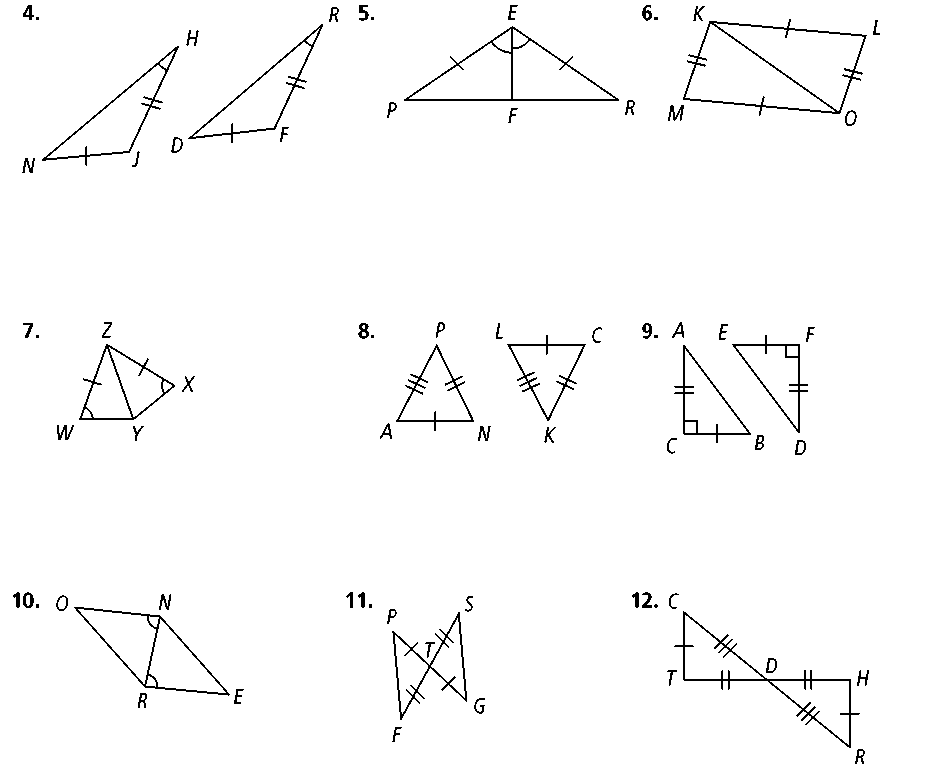
3. What angle is included between  and *?*

**Would you use SSS or SAS to prove the triangles congruent? If there is not enough information to prove the triangles congruent by SSS or SAS, write *not enough information.* Explain your answer.**

**4. 5. 6.**



 **7. 8. 9.**

 **10. 11. 12.**

Name

Class

Date

Triangle Congruence by SSS and SAS

4-2

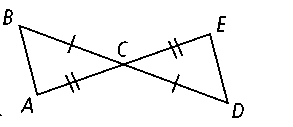
**Practice** (continued)

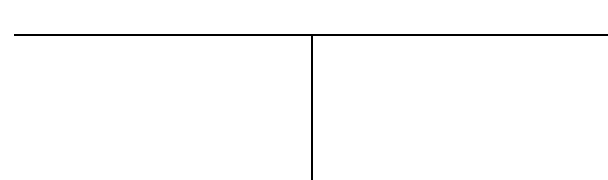
*Form G*

**13. Draw a Diagram** A student draws Δ*ABC* and Δ*QRS.* The following sides and angles are congruent:

* * ∠*B* ≅ ∠*R*

Based on this, can the student use either SSS or SAS to prove that Δ*ABC ≅* Δ*QRS?* If the answer is no, explain what additional information the student needs. Use a sketch to help explain your answer.

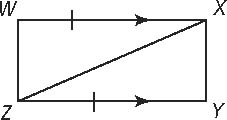
**14. Given:** **



**Reasons**

**Statements**

**Prove:** Δ*ABC* ≅ Δ*EDC*

**15. Given: **

**Prove:** Δ*WXZ* ≅ Δ*YZX*